

इंटरनेट

मानक

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“Step Out From the Old to the New”

IS 5336 (1969): Back Rest [MHD 12: Hospital Equipment]



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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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# Indian Standard

## SPECIFICATION FOR BACK REST

**1. Scope** — Dimensions and requirements for interwoven steel strips and perforated sheet metal back rests.

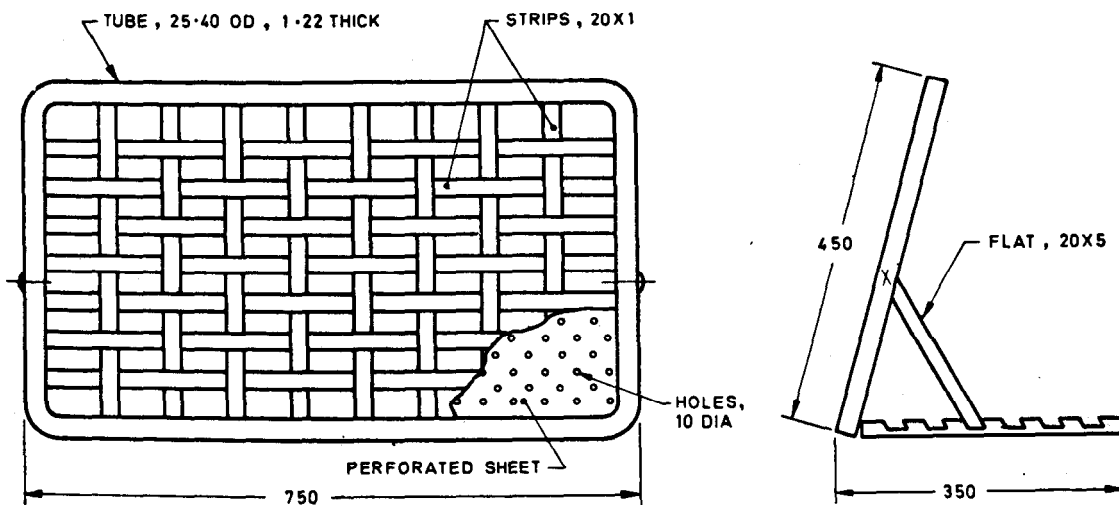
### 2. Material

**2.1 Mild Steel Tube** — Shall be as given in 2.1 of IS : 4033-1968\*.

**2.2 Flats, Strips and Rods** — Mild steel, cold rolled or hot rolled quality. When cold, the flats and strips shall withstand without developing cracks, being doubled over either by pressure or by blows from hammer until internal radius is equal to the thickness or diameter of the component part and the sides are parallel.

**2.3 Sheet** — Mild steel sheet, 1.25 mm thickness, Min.

**3. Dimensions** — As shown in Fig. 1.



General tolerance on dimensions:  $\pm 5$  mm.

All dimensions in millimetres.

FIG. 1 STEEL STRIPS/PERFORATED SHEET BACK REST

### 4. Manufacture

**4.1 Framework** — Back and base frames of the back rest shall be of single continuous length mild steel tubes as shown in the figure. Frame support shall be obtained by welding mild steel flats. Base frame and frame support shall be suitably hinged to the back frame such that there are no protruding edges and shall be such that the back frame can be adjusted in any position from  $0^\circ$  to  $90^\circ$ . For the purpose, the base frame shall be provided with a suitable arrangement for keeping the frame support in position. The overall construction shall be sturdy and sound.

**4.2 Mesh** — The steel strips mesh shall be made of interwoven strips welded to the frame. If so required by the purchaser, steel strip mesh may be substituted with perforated metal sheet. In that case, the metal sheet shall be joined to the back frame (with reinforcing stays, if any) either by riveting or spot welding. The spacing of the rivets or spot welds shall be such that the construction obtained is sturdy.

**4.3 Details not covered in 4.1 and 4.2** shall be according to 4.1 of IS : 4033-1968\*.

**5. Finish** — Shall be in accordance with 5 of IS : 4033-1968\*.

### 6. Tests

**6.1 Adhesion Test** — Shall be conducted as in 6.1.1 of IS : 4033-1968\*.

**6.2 Test for Mesh** — There shall not be any permanent set in the mesh as a whole or any member of the mesh when a bag of sand weighing 50 kg is placed on it for one hour.

**7. Marking** — Shall be as specified in 7 of IS : 4033-1968\*.

**8. Packing** — Shall be as specified in 8 of IS : 4033-1968\*.

\*General requirements for hospital furniture.

Adopted 26 September 1969

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